ABSTRACT OF THE DISCLOSURE

A task allocation method in a multiprocessor system having a first processor with a first instruction set and a second processor with a second instruction set. A task is allocated to either of the first processor or the second processor. The task corresponds to a program having an execution efficiency. The program includes a program module described by either of the first instruction set or the second instruction set. In the method, a task that corresponds to a program module described by the first instruction set is allocated to the first processor. It is determined whether or not the execution efficiency of the program is improved if a destination allocated for the task is changed from the first processor to the second processor. If the execution efficiency of the program is improved, the destination allocated for the task is changed to the second processor.